POOR LEGIBILITY

ONE OR MORE PAGES IN THIS DOCUMENT ARE DIFFICULT TO READ DUE TO THE QUALITY OF THE ORIGINAL

Waipio Peninsula Remedial Investigation Report August 2002

Prepared For:

Oahu Sugar Company 700 Bishop Street, No. 501 Honolulu, Hawaii 96813

REMEDIAL INVESTIGATION REPORT FORMER PESTICIDE MIXING PLANT WAIPIO PENINSULA WAIPAHU, HAWAII HID 984467605

BES Job No. 5224

August 2002

Patrick H. Lineberger

Senior Geologist

Kevin Kennedy

Vice President BEI Environmental Services

BEI Environmental Services 311B Pacific Street Honolulu, Hawaii 96817 (808) 535-6055

TABLE OF CONTENTS

Title P	age	. i
Signat	ure Page	ii
Table (Of Contents	iii
	PHOTOGRAPHS	
		-
1.0	EXECUTIVE SUMMARY	.1
2.0	INTRODUCTION	.3
3.0	SCOPE OF WORK	.4
4.0	SITE BACKGROUND	.6
4.1	Site Description.	.6
4.2	Site History	.7
4.3	Previous Investigation	.7
4.4	Climate	.8
4.5	Geology	8.
4.6	Hydrology	.9
5.0	DATA QUALITY OBJECTIVES	12
6.0	REGULATORY REQUIREMENTS AND ACTION LEVELS	3
6.1		
6.2		
0.2	Dioxin Toxicity Equivalent Factors and Quotients	
7.0	FIELD ACTIVITIES1	6
7.1		
,.1	7.1.1 Establishing The Work Zones1	
7.2		
1.2	7.2.1 Site Access	
	7.2.2 Pre-Field Site Visit	
	7.2.3 Soil Sample Locations	
	7.2.4 Monitoring Well Locations	
7.3		
1.5	1 55	
	7.3.1 Surface Soil Collection	
	7.3.1.1 Soil Sampling for Quality Control (QC)	
	7.3.2 Subsurface Soil Collection	
	7.3.2.1 Soil Sampling for Quality Control (QC)	
	7.3.2.2 Drill Rig Methodology	
	7.3.2.3 Borehole Sampling	
	7.3.2.4 Borehole Logging	
	7.3.2.5 Decontamination	
	7.3.3 Sample Laboratory Analytical Requirements2	
	7.3.4 Sample Laboratory Analyses2	2